

Salient Characteristics

Herman Miller, Co/ Struc Modular furniture, Or Equal

1. General

Modular furniture with strong durable components to accommodate changing technology and the VA Lab requirements and standards. Will be located in 1st floor Lab.

2. Warranty Requirements

Manufacturer must offer a minimum of 12 year (24 hours a day, 7 days a week) warranty for both parts and labor. Greenguard gold certification.

3. Technical Specification and Code Requirements

- Support panels are UL Listed and CSA approved (C1313, C1314)
- All products are BIFMA level 3 certified
- 1. **C-Frame Lid Or Counter Top:**
 - 1) **CO201FF** A proprietary sheet molded composition. It has integral raised side edges to keep items from sliding off.
 - 2) **CO217FF** Double Top. Made of HPL with vinyl T molding
 - 3) **CO555FF and CO556FF** Extended Top. A proprietary sheet molded composition.
- 2. **Lab Modules Frame:**
 - a. The modules consist of a welded, rectangular frame constructed of 1-7/8" square, 16-gauge cold-rolled steel tube.
 - b. The top shelf and the interior shelf of the modules are Chemsurf to resist chemical stains. Hanger frames are constructed of hard rolled steel. Leveling glides have an adjustment range of 1.75".
 - c. Modules provide an interior chase with a clear dimension of at least 7 1/4" wide to provide for all medical gases and utilities.
 - d. The units are coated with a finish that makes them stain resistant. Access panels are made of 20 gauge steel. Each panel has 2 knockouts for standard duplex electrical outlets.
- 3. **CO207- CO209 Drawers and Lid:**
 - a. The drawers are molded in 98.5% Dow Styron 484 and 1.5% Dow Masterbatch MB50-484virgin Lustran 004 thermoplastic.
 - b. The lid is made from 18 ga steel and powder coated soft white. Lid is hinged to allow the drawer to be opened while it is extended.
- 4. **C2141, C2142 Work Surfaces:**
 - **Laminate**

This work surface has a warp resistant three-ply construction with a medium-density particle board core with an HPL top surface, and a square edge using "T"-molded banding. The underside is a standard-grade laminate backer.
 - **Chemsurf**
 - a. Chemsurf work surfaces have warp-resistant; three ply constructions with a medium density particle board core. Finished thickness is 1 3/16".
 - b. Surfaces are laboratory-grade for high resistance to chemicals and staining
 - c. Undersides have standard-grade laminate backer. Corners are square-formed and surfaced with
 - d. extruded vinyl. Edges are resistant to moisture penetration and soil retention, providing clinical
 - e. performance superior to work surfaces with "T" molded edges.
- 5. **C1150-C1151:**

Support panel is fabricated from 1 7/8" square, 14-gauge steel tubing. The panel filler in the lower 48" is recessed by 13/16" on both sides. Hanger frames constructed of hard rolled steel. Filler is comprised of a hardboard core with aluminum skin. Leveling glides shall have a threaded steel shank, a zinc-plated steel cap, and a nylon base. The units are coated with a finish that makes them stain resistant

6. **C2141, C2142:**
 - a. Standard Duty: Regular laminate
 - b. Heavy Duty: Chemsurf Chemical resistant and regular laminate.
7. **C5010, C5040 Cabinet:**
 - c. The cabinets have a warp-resistant three-ply construction with a 5/8" thick medium-density particle board core. All edges are finished with a bonded polyvinyl chloride edging.
 - d. The C5010 surfaces are finished in standard-grade high-pressure laminate.
 - e. The C5040 is finished in melamine and its back panel is constructed of steel and melamine. The side panels have predrilled holes on 1 1/4" intervals for installation of components.
8. **C5020, C5021, C5022, C5023, C5024:**
 - a. **End Panels:**
 - a. The end panels are warp-resistant three-ply construction with a 5/8" thick medium-density particle board core. Sides are finished in melamine bonded to the particle board core. All edges of the laminate are finished with a bonded high-impact polystyrene edging. End panels have threaded inserts from top to bottom on 2 1/2" intervals for installation of shelving components.
 - b. **Shelf:**
 - a. The individual shelves are made of 18g painted steel. Shelves are formed to include a built-in lip for use in holding supplies when the shelf is placed in a sloped orientation. Shelf can be placed with lip in front or back.
9. **CO212FF, CO212SS:**
 - a. **Cart Body:**
The L Cart is fiberglass-reinforced compression-molded thermoplastic.
 - b. **Casters:**
Shall Include 4 swivel casters. The 2 casters on the side opposite the handle include a brake. The standard L cart has 4 3/4" hard-rubber zinc casters; the MRI-compatible cart has 5 1/2" stainless steel casters.
10. **C4115-C4215:**
 - a. **Work Surface:**
 - a. The work surface shall be a 3-ply construction, 1.180" thick consisting of a .030" high pressure laminate or Chemsurf top face over a 45 lbs. industrial grade M3 particleboard core and a .020" phenolic backer and rigid, extruded, integral-color 2mm vinyl side edges.
 - b. Holes shall be predrilled in the underside of the work surface for the installation of drawer bearers.
 - b. **Leg Assemblies:**
 - a. The work surface shall have 2 leg assemblies, each composed of a leg top constructed of 11-gage CRS, and leg bottom constructed of 11-gage HRPO with a foot constructed of 7-gage HRPO.
 - b. Leg bottoms shall slide into leg tops to provide height adjustability and secured by set screws.
 - c. The rectangle leg column shall be a textured powder coat painted, composed of 12-gage CRS attachment plate assembly with 4 weld studs welded to the sides for Stretcher attachment
 - c. **Stretcher:**
The stretchers shall be textured powder coat painted, 18-gauge CRS. It shall include a detail to allow the hanging of storage components.
 - d. **Casters:**
4" heavy-duty swivel plate caster with brakes.
 - e. **Glides:**
Glides have a threaded steel shank, a zinc-plated steel cap, and nylon base
11. **C2141, C2142:**
Standard Duty: Regular laminate
Heavy Duty: Chemical resistant and regular laminate.
12. **C1313, C1314 :**
 - a. **Channel:**
The channel is an aluminum extrusion with clear anodized finish.
 - b. **Cover:**

The cover is an aluminum extrusion with clear anodized finish.

4. Design Features/Description

- **CO201FF, CO217FF, CO555FF, CO556FF**

These covers enclose the top of a C Frame and provide a surface for writing. The covers slide into place on the C Frame and fasten without tools.

An extended top is available to provide additional work surface. A double counter top accommodates two C Frames mounted side by side.

- **C1112, C1114**

This module attaches to a wall or connects to other freestanding modules. It encloses and organizes mechanical services. It has hanger frames with slots at 1" intervals to support components, and 4 adjustable glides. Modules are available in two heights; the 48" high Low Module and the 80" high Pass-Through Module.

The 48" high Low Module includes a top shelf designed to hold reagents, or equipment, or allow for the installation of utility fixtures. The 80" high Pass-Through Module provides pass-through access and the ability to hang overhead components. The module includes an interior shelf that is field adjustable to 30", 36" or 48" high. Access panels can be ordered separately to enclose both sides of the lower portion of the module and form a service chase. Access panels mount in a flush or recessed position (to create a cord-drop zone) and are removable for access to services. Clips provide easy removal of the panel without tools.

- **CO207 - CO209** This drawer fits into a locker or C frame and has stops to prevent accidental removal. It can also be mounted under a work surface using drawer bearers. The drawer is available with no lock, a keyed lock, or a touchpad lock. Versions are also available with lids and lids that lock. Three different drawer heights are available. Drawers without locks or lids are made entirely of plastic and can be placed in an automatic washer.

- **C2141, C2142**

The work surfaces are regular high-pressure laminate and chemical resistant high-pressure laminate. The work surfaces are supported by cantilever brackets or sink cabinets. The supports are attached to panels/modules or wall strips in one inch increments.

- **C1150-C1151**

These panels are available either open or with a 48" high recessed filler. All panels include hanger frames at 1" intervals to support components. Panels can be used as a return panel to stabilize a panel run. The panel with the filler has space between the filler and the rear edge of an attached work surface for passage of cords, wires or tubes. Panels do not accept the 3- or 4-circuit electrical system, electricity is managed by hanging the wire chase from the hanger frame.

- **C1150-C1151**

These panels are available either open or with a 48" high recessed filler. All panels include hanger frames at 1" intervals to support components. Panels can be used as a return panel to stabilize a panel run. The panel with the filler has space between the filler and the rear edge of an attached work surface for passage of cords, wires or tubes. Panels do not accept the 3- or 4-circuit electrical system, electricity is managed by hanging the wire chase from the hanger frame.

- **C1150-C1151 Frame**

Support panel is fabricated from 17/8" square, 14-gauge steel tubing. The panel filler in the lower 48" is recessed by 13/16" on both sides. Hanger frames constructed of hard rolled steel. Filler is comprised of a hardboard core with aluminum skin. Leveling glides shall have a threaded steel shank, a zinc-plated steel cap, and a nylon base. The units are coated with a finish that makes them stain resistant.

- **C5010, C5040**

These cabinets hang on horizontal rails located under work surfaces which are attached to wall strips or panels/modules. Cabinets hold shelves and drawers and have optional doors

- **C5020, C5021, C5022, C5023, C5024**

These overhead shelves can be attached to wall strips or panels/modules. Individual shelves can be easily relocated in 2 1/2" intervals and can be placed in a sloped orientation. Optional doors can be added to enclose contents.

- **CO212FF, CO212SS**

This cart has a platform and 4 rail profiles for hanging frames. There are two versions; a standard cart and a version which is suitable for MRI machines up to 3.0 Tesla power. The MRI version is labeled in red to identify it as such. The L Cart can be customized for specific uses by adding a C Frame, C Frame lid, drawers, or other specialized accessories.

- **C4115-C4215**

This square edge freestanding table has a laminate or Chemsurf® top and 2 T-shaped steel legs with casters or glides with up to 1" of height adjustment. It has 2 stretchers to support C frames and storage units and the top includes drawer bearers to support drawer storage. Shipped knocked down

- **C2141, C2142**

The work surfaces are regular high-pressure laminate and chemical resistant high-pressure laminate.

The work surfaces are supported by cantilever brackets or sink cabinets. The supports are attached to panels/modules or wall strips in one inch increments.

- **C1150-C1151**

These panels are available either open or with a 48" high recessed filler. All panels include hanger frames at 1" intervals to support components. Panels can be used as a return panel to stabilize a panel run. The panel with the filler has space between the filler and the rear edge of an attached work surface for passage of cords, wires or tubes. Panels do not accept the 3- or 4-circuit electrical system, electricity is managed by hanging the wire chase from the hanger frame.

- **C1313, C1314**

This aluminum channel can be attached to wall strips or panels/modules and hold regular power, emergency power or data lines. The standard channel has a built-in divider that separates it into two separate sections, each capable of holding different power. A "single" channel can be attached to the double channel to provide the capability of a third chase.

A variety of cover plate styles shall be available to provide openings for receptacles and data ports.

5. Load limits:

1. **CO201FF, CO255FF, CO256FF** tops support 50 lbs. evenly distributed.
2. **CO217FF** top supports 100 lbs. evenly distributed.
3. **CO207 – CO209** Load limits: The drawer supports 25 lbs. evenly distributed.
4. **C2141, C2142** Standard-duty laminate work surfaces hold up to 200 lbs. and the solid surface mounted on sink units holds up to 250 lbs. Heavy-duty work surfaces hold up to 400 lbs. of live load.
5. **C1150-C1151** Panels support a maximum live load of 1150 pounds per panel, per side
6. **C5010, C5040** maximum weight load is 200 lbs.
7. **C5020, C5021, C5022, C5023, C5024** maximum weight load is 30 lbs. per individual shelf.
8. **CO212FF, CO212SS.** The cart supports 200 lbs. evenly distributed. Drawers without locks or lids are made entirely of plastic and can be placed in an automatic washer
9. **C4115-C4215:** Top supports 400 lbs. evenly distributed; the table supports a total of 500 lbs.

10. **C2141, C2142** Standard-duty laminate work surfaces hold up to 200 lbs. and the solid surface mounted on sink units holds up to 250 lbs. Heavy-duty work surfaces hold up to 400 lbs. of live load.
11. **C1150-C1151** Panels support a maximum live load of 1150 pounds per panel, per side.
12. Modules support a minimum live load of 1150 pounds per module per side

6. Environmental Features

- a. Modular systems furniture must have the GreenGuard Gold certification for low chemical emissions into indoor air during product usage.
- b. The furniture must contribute to LEED credits due to its returnable/reusable packaging, durability, pre-consumer recycled content, and post-consumer content.

7. Dimensions and Features

<i>Item</i>	<i>Depth</i>	<i>Width</i>	<i>Height</i>
CO201FF	16 7/8"	22 ½"	
CO217FF	18"	46 ¾"	
CO555FF	18"	24"	
CO556FF	18"	32"	
C1112, C1114	11"	24", 30", 36", 48"	
CO207 – CO209	15 3/8"	20 ¾"	3", 6", 9"
C2141, C2142	All are available in 24" and 30"	<p>All standard-duty surfaces are available in widths of 24", 30", 36", 48", 60", and laminate is also available in 72", 96".</p> <p>All heavy-duty surfaces are available in widths of 24", 30", 36", 48", 60", and laminate is also available in 72". A 96" width is available in all but resin.</p> <p>Additionally, 51" is available in all but epoxy resin.</p>	1" – 1 1/8"
C1150-C1151	1 7/8"	12", 24", 30", 36", 48"	48", 80"
C5010	15"	22 ½"	25 ¼"

C5040	27 ½"	22 ½"	25 ¼"
C5020, C5021, C5022, C5023, C5024	9", 16"	24", 30", 36", 48"	24", 34"
CO212FF, CO212SS	22 1/4"	23"	The standard cart is 36"; the MRI version is 36 3/8".
C4115-C4215	36"D in 72"W only	36", 48", 51"(left or right), 60", 72" (51" uses a 48" base with the top offset 3" in either direction)	The table adjusts in increments of 1.00". Table with casters adjusts from 29" to 38" high; the table with glides adjusts from 27" to 36" high.
C2141, C2142	All are available in 24" and 30"	All standard-duty surfaces are available in widths of 24", 30", 36", 48", 60", and laminate is also available in 72", 96". All heavy-duty surfaces are available in widths of 24", 30", 36", 48", 60", and laminate is also available in 72". A 96" width is available in all but resin. Additionally, 51" is available in all but epoxy resin.	1" – 1 1/8"
C1150-C1151	1 7/8"	12", 24", 30", 36", 48"	48", 80"
C1313, C1314	The depth of all chases is 1 5/8"	24", 30", 36", 48", 60", 72", 96"	Double chase is 5 1/4" Single chase is 2 5/8"

8. Miscellaneous

- Manufacturer must have been in business for minimum of 10 years.
- Product must be guaranteed in writing to be available for a minimum of 10 years after first order entry.
- Product must ship with an option of boxed or blanket wrapped shipment.